

WHAT IS CLAIMED IS:

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1. A medicinal preparation containing phenylethanoid glycosides extracted from *Cistance tubulosa* (Schenk.) Wight, said preparation comprising 10-70% of echinacoside by weight of said preparation, and 1-40% of acteoside by weight of said preparation.

2. The preparation as defined in claim 1 comprising 25-70% of echinacoside by weight of said preparation, and 5-40% of acteoside by weight of said preparation.

3. The preparation as defined in claim 1 which is extracted from fleshy stems of *Cistance tubulosa* (Schenk.) Wight.

4. The preparation as defined in claim 1 further comprising 2'-acetylacteoside; campneoside I; campneoside II; cistantubuloside A, B<sub>1</sub>, B<sub>2</sub>, C<sub>1</sub>, C<sub>2</sub>; crenatoside; decaffeoylacteoside; isoacteoside; rhodioloside; syringalide A; 3'-α-L-rhamnopyranoside, and tubuloside A, each being contained in an amount less than 5% by weight of said preparation.

5. A process for making a medicinal preparation containing phenylethanoid glycosides, said process comprising the following steps of:

a) extracting subterranean portions of *Cistanche tubulosa* (Schenk.) Wight with a first polar solvent;

b) introducing the resulting extract from step a) into a column which is packed with hydrophobic macro-porous polymeric beads, thereby enabling phenylethanoid glycosides to be adsorbed on the polymeric beads;

1           c) eluting the column by use of a second polar solvent serving as  
2 a mobile phase, so that relatively less strongly adsorbed compounds are  
3 eluted from the column with most of phenylethanoid glycosides still being  
4 adsorbed on the polymeric beads; and

5           d) eluting the column by use of a third polar solvent so as to  
6 obtain an eluate which contains phenylethanoid glycosides, wherein the  
7 third polar solvent is lower in polarity than the second polar solvent.

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9           6. The process as defined in claim 5, wherein the subterranean  
10 portions of *Cistanche tubulosa* (Schenk.) Wight in step a) are fleshy  
11 stems.

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13           7. The process as defined in claim 5, wherein said extracting in  
14 step a) comprises mixing the subterranean portions of *Cistanche tubulosa*  
15 (Schenk.) Wight with the first polar solvent, decocting the resulting mixture  
16 for 0.5-10 hours, and filtering the decocted mixture to obtain a liquid  
17 extract or concentrating the liquid in vacuo to obtain an extract in the  
18 concentrated form.

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20           8. The process as defined in claim 7, wherein the first polar  
21 solvent is water, or a mixture of water and ethanol.

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23           9. The process as defined in claim 5, wherein the polymeric  
24 beads in step b) are cross-linked polyaromatics.

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1           10. The process as defined in claim 9, wherein the polymeric  
2 beads are formed of cross-linked polystyrene or cross-linked copolymer of  
3 styrene and divinyl benzene.

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5           11. The process as defined in claim 5, wherein the second polar  
6 solvent is water; wherein the third polar solvent is methanol, ethanol, a  
7 mixture of water and methanol, or a mixture of water and ethanol.

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9           12. The process as defined in claim 11, wherein the third polar  
10 solvent is the mixture of water and ethanol.

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12           13. The process as defined in claim 5 further comprising  
13 removing a solvent that is contained in the eluate from step d), thereby  
14 resulting in production of a dry preparation.

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16           14. A medicinal composition for use in the prevention of senile  
17 dementia, said medicinal composition comprising a therapeutically  
18 effective amount of the preparation as claimed in any one of claims 1 to 4  
19 as an active ingredient, in admixture with a pharmaceutically acceptable  
20 carrier or diluent for the active ingredient.

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22           15. A medicinal composition for use in the inhibition of  
23 aggregation of blood platelets, said medicinal composition comprising a  
24 therapeutically effective amount of the preparation as claimed in any one  
25 of claims 1 to 4 as an active ingredient, in admixture with a  
26 pharmaceutically acceptable carrier or diluent for the active ingredient.

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1           16. A method of treating and preventing an individual suffering  
2   senile dementia comprising administering to the individual a  
3   therapeutically effective amount of the preparation as claimed in claim 1.

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5           17. A method of inhibiting blood platelets aggregation in an  
6   individual comprising administering to the individual a therapeutically  
7   effective amount of the preparation as claimed in claim 1.

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9           18. The method as defined in claim 14, wherein the preparation  
10   comprises 25-70% of echinacoside by weight of said preparation, and  
11   5-40% of acteoside by weight of said preparation.

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13           19. The method as defined in claim 14, wherein the preparation  
14   is extracted from fleshy stems of *Cistance tubulosa* (Schenk.) Wight.

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16           20. The method as defined in claim 15, wherein the preparation  
17   comprises 25-70% of echinacoside by weight of said preparation, and  
18   5-40% of acteoside by weight of said preparation.

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20           21. The method as defined in claim 15, wherein the preparation  
21   is extracted from fleshy stems of *Cistance tubulosa* (Schenk.) Wight.

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23           22. The method as defined in claim 16, wherein the preparation  
24   comprises 25-70% of echinacoside by weight of said preparation, and  
25   5-40% of acteoside by weight of said preparation.

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1           23. The method as defined in claim 16, wherein the preparation  
2 is extracted from fleshy stems of *Cistance tubulosa* (Schenk.) Wight.

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4           24. The method as defined in claim 17, wherein the preparation  
5 comprises 25-70% of echinacoside by weight of said preparation, and  
6 5-40% of acteoside by weight of said preparation.

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8           25. The method as defined in claim 17, wherein the preparation  
9 is extracted from fleshy stems of *Cistance tubulosa* (Schenk.) Wight.

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